BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

DIVISION: DASARAHALLI

SUB DIVISION: SHETTYHALLI

NAME OF WORK : *Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division*

Estimated Cost : 30.00 Lakhs

Job Code : 012-19-000025 (P-3298)

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Construction of Dry waste center at Abbigere and other works in ward No 12, Shettyhalli sub Division

Est.Cost Rs. 30.00 Lakhs *P code : 3298* *Job No :012-19-000025*

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	**Earth work excavation for foundation of building** water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.**(PWD SR 2016-17 P 5 It 2.4)**								
	Column footing	**Cum**	12	2.50	2.50	2.50	187.50		
	Foundation all round		1	54.20	1.05	1.05	59.76		
	security room		1	11.00	1.00	1.05	11.55		
	Sump tank		1	3.50	2.50	2.50	21.88		
	Toilet		1	4.00	0.75	0.75	2.25		
							282.93		
	deduction of column footing		12	2.50	1.00	1.05	31.50		
					Net Qty		**251.43**	**305.64**	**76847.22**
	Basic Rate	**283.00**							
	Area Weightage 8%	22.64							
		305.64							
2	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **It No 4.2 PWD SR 2016-17**								
	Column footing	**Cum**	12	2.50	2.50	0.15	11.25		
	wall foundation		1	54.20	1.05	0.15	8.54		
	security room		1	11.00	1.00	0.15	1.65		
	Sump tank		1	3.50	2.50	0.20	1.75		
	for flooring		1	16.40	11.20	0.15	27.55		
	for room		1	4.00	3.00	0.15	1.80		
	Building all round		2	16.50	1.00	0.15	4.95		
			2	13.00	1.00	0.15	3.90		
	Toilet		1	4.00	0.75	0.15	0.60		
					Total		**61.99**		
	deduction of column footing		12	2.50	1.00	0.15	4.50		
					Net Qty		**57.49**	**5,449.68**	**313293.93**
	Basic Rate	**5,046.00**							
	Area Weightage 8%	403.68							
		5,449.68							
3	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(P No. 23, Item No. 5.6)**								
	All round 1st step	Cum	1	54.20	0.90	0.45	21.95		
	2nd step		1	54.20	0.75	0.45	18.29		
	Room		1	11.00	0.90	0.45	4.46		
			1	11.00	0.75	0.45	3.71		
	Toilet		1	4.00	0.75	0.75	2.25		

						50.66		
Deduct For Column		12	0.45	0.45	0.90	2.19		
						2.19		
				Net Qty		48.47	4,521.96	219197.49
Basic Rate	4,187.00							
Area Weightage 8%	334.96							
	4,521.96							
Providing and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 23, Item No. 5.9)**								
All round	Cum	1	54.20	0.60	0.45	14.63		
Room		1	11.80	0.60	0.45	3.19		
Toilet		1	4.00	0.45	0.45	0.81		
						18.63		
Deduct For Column		12	0.45	0.45	0.45	1.09		
				Net Qty		17.54	5,405.40	94791.80
Basic Rate	5,005.00							
Area Weightage 8%	400.40							
	5,405.40							
5 **Providing ruled pointing to coursed stone masonry** with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm neeely lining, including cost of materials, labour, curing complete as per specifications **(Page NO. 113, Item No. 15.3)**								
Long Wall	Sqm	2	16.70		0.45	15.03		
Short Wall		2	11.20		0.45	10.08		
		2	3.30		0.45	2.97		
		2	1.70		0.45	1.53		
				Net Qty		28.08	105.84	2971.99
Basic Rate	98.00							
Area Weightage 8%	7.84							
	105.84							
6 **Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification **(Page No.6, Item No. 2.10)**								
	Cum		Qty as per It 1			251.43	137.16	34,486.21
Basic Rate	127.00							
Area Weightage 8%	10.16							
	137.16							
7 KSRB 4.2.8: **Providing and laying in position reinforced cement concrete of design mix M20 with** OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for **all works in ground floor level for roof slabs, staircase, lintles, and beams** retaining walls, return walls, walls (any thickness) including attached plasters, **columns,** pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(P. No. 14/ I.No. 4.13 of CSR 2016-17)**									

a	For Column footing	Cum	12	2.40	2.40	0.50	34.56		
			12	1.00	1.00	0.75	9.00		
b	For Column up to Plinth		12	0.40	0.40	1.50	2.88		
	Column above plinth level		12	0.40	0.40	5.60	10.75		
c	Plinth beam		1	54.20	0.45	0.23	5.61		
d	Tie beams		1	54.20	0.30	0.45	7.32		
			1	54.20	0.40	0.45	9.76		
e	Roof slab		1	4.90	3.60	0.15	2.65		
	Toilet		1	3.20	1.80	0.15	0.86		
	sump tank		1	3.00	2.00	0.15	0.90		
	Litel for room		1	4.40	0.20	0.20	0.18		
			2	3.00	0.20	0.20	0.24		
	Missing cover slabs		1	44.00	0.90	0.10	3.96		
	FLOORING		1	15.65	10.84	0.15	25.45		
							114.11	6,650.64	**758888.57**
	Basic Rate	6,158.00							
	Area Weightage 8%	492.64							
		6,650.64							
8	KSRB 4.2.10 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 7.5 cms. average thickness,** upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (**P 14 It 4.19 PWD SR 2016-17)**									
		Sqm	2	1.20	0.60		1.44		
							1.44	492.48	**709.17**
	Basic Rate	456.00							
	Area Weightage 8%	36.48							
		492.48							
9	**Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C.** work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications (Page NO. 17, Itm. NO. 4.46) Fe 500								
		Tonne					**7987.53**		
	Consider 100 kg per cum of concrete						7.99	73680.84	**588528.07**
	(185.17 X 100) = 18517 Kg i.e 18.51T								
	Basic Rate	68,223.00							
	Area Weightage 8%	5,457.84							
		73,680.84							
10	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for **columns,** pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification (Page No.16, Item No. 4.32)								
	Column Footings	**Sqm**	12	9.60		0.50	57.60		
	For Column up to Plinth		12	4.00		1.50	72.00		
	Column above plinth level		12	1.60		8.00	153.60		
							283.20	395.28	**111,943.30**
	Basic Rate	**366.00**							
	Area Weightage 8%	29.28							
		395.28							

11	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for sides and soffits of **beams beam houchings** cantilever girders bressumers **&** lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification (**Page No. 16, item No. 4.34)**								
a	**Plinth beam**	**Sqm**	2	54.20		0.30	97.56		
			2x2	54.20		0.40	86.72		
							184.28	276.48	**50,949.73**
	Basic Rate	256.00							
	Area Weightage 8%	20.48							
		276.48							
12	**Providing and removing centering shuttering** strutting propping etc., for **chejjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications (**Page No. 16, Item No.4.37)**								
	Chejja GF W1	**Sqm**	5	1.20	0.60		3.60		
							3.60	291.60	**1,049.76**
	Basic Rate	270.00							
	Area Weightage 8%	21.60							
		291.60							
13	**Providing and removing centering, shuttering,** strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,**landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification (**Page No. 15, Item No. 4.29.2)**								
	For RCC roof	**Sqm**	1	4.90	3.60		17.64		
	Toilet		1	3.20	1.80		5.76		
							23.40	594.00	**13,899.60**
	Basic Rate	550.00							
	Area Weightage 8%	44.00							
		594.00							
14	Providing and constructing **pre cast concrete solid blocks** with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per specification **(Page No.25,Item No.5.27)**								
a	side walls	**Sqm**	10	2.80		5.60	156.80		
	back side wall		2	4.70		5.60	52.64		
	front side wall		2	4.70		2.50	23.50		
	Gable		4	4.70		0.60	11.28		
b	Room		1	4.40		2.80	12.32		
			2	3.00		2.80	16.80		
c	Toilet		1	2.60		2.20	5.72		
			3	1.40		2.20	9.24		
d	sump tank		2	3.00		2.00	12.00		
			2	2.00		2.00	8.00		
						Total:-	**308.30**		
			2	0.90		1.20	2.16		
			1	0.90		2.10	1.89		
						Total:-	**4.05**		
					Net Qty		**304.25**	1,011.96	**307,888.83**
	Basic Rate	937.00							
	Area Weightage 8%	74.96							

		1,011.96						
	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed with Jws **and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / **7.12 Page No. 31, Item No. 707 PWD SR 2016-17**							
	Window	**Sqm**	2	0.90	1.20		2.16		
							2.16	3,812.40	**8,234.78**
	Basic Rate	3,530.00							
	Area Weightage 8%	282.40							
		3,812.40							2828227.97
							Sub Total		2534672.062
6	Add 12% GST								304160.65
7	Add Teder Premium @ 5%								126733.60
									141411.38
8	Add PMC charges @ 1%								25346.72
									28282.28
									2078.78
9	Add for unforseen work								9086.97
							Grand Total Rs		**3000000.00**
	(Rupees Thirty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/AS/134/18-19 ದಿನಾಂಕ: 24/01/19
ರೂ. Thirty Lakhs only (Rs. 30.00 Lakhs/-)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DZ/TS/30/ ದಿನಾಂಕ: 25/05/2019
ರೂ. 30.00 Lakhs/- (Rs. Thirty Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.